

Project Audit



Project:

**VaporNodes:
NodeManager**

January 20, 2022



VaporNodes

+

VaporNodes: NodeManager



Overview

This audit has been prepared for **NodeManager** to review the main aspects of the project to help investors make make an informative decision in the research process.

You will find a a summarized review of the following main key point::

- Contract's source code
- Project and team
- Website
- Social media & online presence

Smart Contract Review

The contract review process pays special attention to the following:

- Testing the smart contracts against both common and uncommon vulnerabilities
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.



"The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal"
– SpyWolf Team

Smart Contract Summary

Contract Name	NodeManager02
Ticker	NodeManager for VaporNodes
Contract	0x893107F0270631BC252aE17fB63c60C387e07BBc
Network	AVALANCE
Language	Solidity
Node Manager 01	0x0be95e7cFD447E2Bb0057ed7143fdBE3b2847996
Reward per Node	1
Status	Running

Current Stats

Total Staking	328430223574867126065545056
Total Nodes Created	12209
Owner	0xf69f9dbb10f76dd93f4023413dcc251633a1d62a

Issues Checking Status	
Design Logic	Passed ✓
Compiler warnings.	Passed ✓
Private user data leaks	Passed ✓
Timestamp dependence	Passed ✓
Integer Overflow and Underflow	Passed ✓
Race conditions and Reentrancy. Cross-function race conditions	Passed ✓
Possible delays in data delivery	Passed ✓
Oracle calls	Passed ✓
Front running	Passed ✓
DoS with Revert	Passed ✓
DoS with block gas limit	Passed ✓
Methods execution permissions	Passed ✓
Economy model	Passed ✓
The impact of the exchange rate on the logic	Passed ✓
Malicious Event log	Passed ✓
Scoping and Declarations	Passed ✓
Uninitialized storage pointers	Passed ✓
Arithmetic accuracy	Passed ✓
Cross-function race conditions	Passed ✓
Safe Zeppelin module	Passed ✓
Fallback function security	Passed ✓

Security Threats (Low Risk)

Owner can change the reward per node

```
function setRewardPerNode(uint256 newVal) external onlyOwner {  
    rewardPerNode = newVal;  
}
```

Owner can change the minimum price

```
function setMinPrice(uint256 newVal) external onlyOwner {  
    minPrice = newVal;  
}
```

Owner can change Boost required Days

```
function setBoostRequiredDays(uint8[] calldata newVal) external onlyOwner {  
    require(newVal.length == 3, "Wrong length");  
    _boostRequiredDays = newVal;  
}
```


VaporNodes Project & Team Review

VaporNodes is a digital node protocol that gives you access to DeFi projects across multiple chains. The goal of VaporNodes is to make DeFi accessible to anyone and everyone – decentralized finance as a service. VaporNodes is one of the first DaaS companies to utilize the Avalanche network because of low fees and fast transaction times. The transparency and community of VaporNodes is what sets us apart from other companies in this space. Join our discord to become part of the community!

Team:

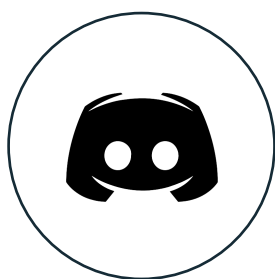
- There is no info on the team on their website or whitepaper ⚠

Website Analysis

- **Design:** Very nice color scheme and overall layout
- **Content:** The information helps new investors understand what the product does right away. No grammar errors found
- **Whitepaper:** Well written with a nice layout
- **Roadmap:** No roadmap found
- **Mobile-friendly?** Yes
- **Technical:** SSL certificate present. General SEO check passed




Social Media & Online Presence

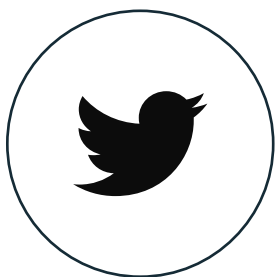


Discord

<https://discord.com/invite/87XUXSeen>


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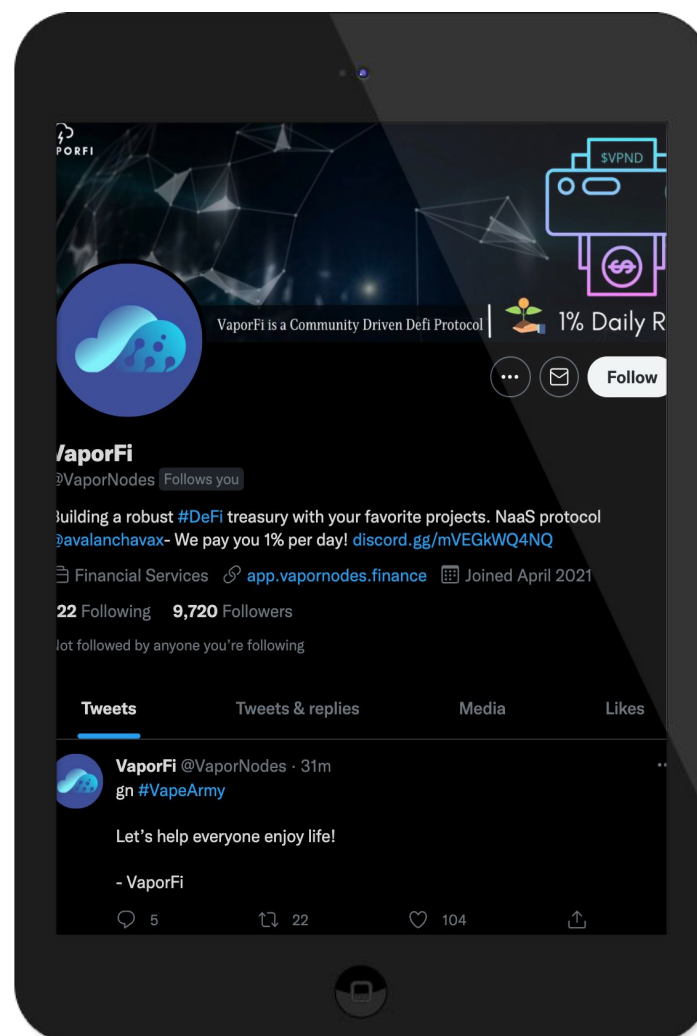
- 9,653 members
- Active devs & mods 



Twitter

twitter.com/VaporNodes

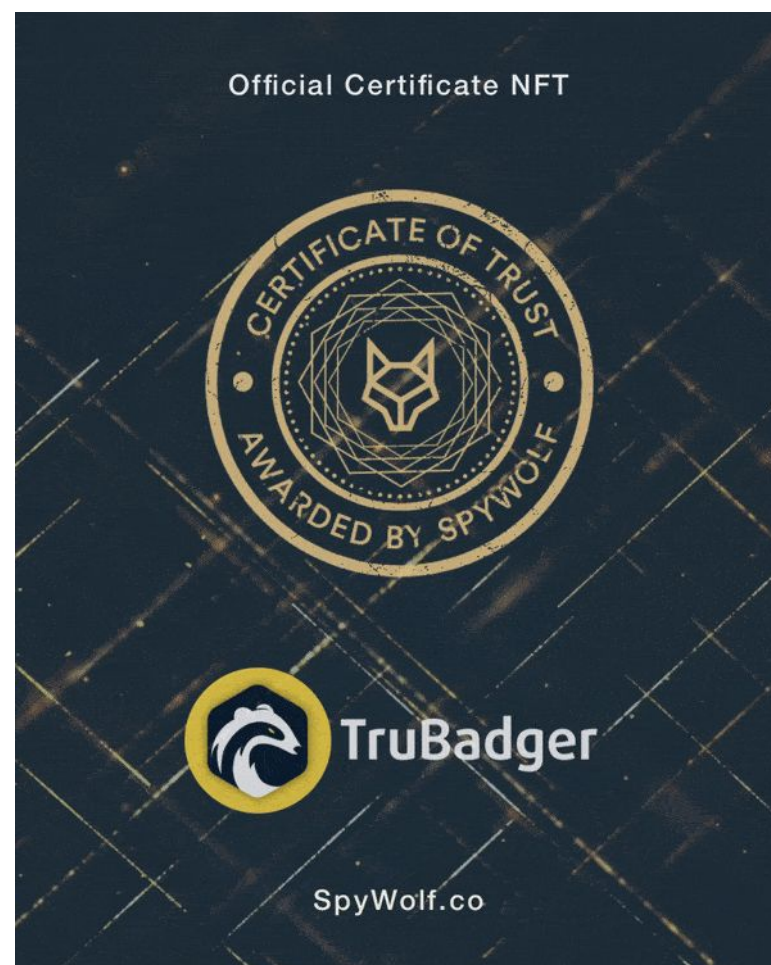
- 9,722 Followers
- Very active 



About SpyWolf

SpyWolf is a team of crypto security experts that have been performing full audits for projects for the past months in order to ensure safety on the crypto space. Our goal is to help eliminate monetary fraud through our auditing services and utility token, \$SPY.

- Website: SpyWolf.co
- Portal: SpyWolf.network
- Telegram: [@SpyWolfNetwork](https://t.me/SpyWolfNetwork)
- Twitter: [Twitter.com/SpyWolfNetwork](https://twitter.com/SpyWolfNetwork)



(Sample Certificate NFT for those who pass audit)

If you are interested in finding out more about our audits and Certificate of Trust NFTs, reach out to contact@spywolf.co.

Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.